

What is claimed is:

1. A curable ink for ink-jet recording comprising a white pigment and a polymerizable compound,

wherein the polymerizable compound is a compound selected from the group consisting of:

- (a) oxetane compounds;
- (b) pyrrole or substituted pyrroles;
- (c) aniline or substituted anilines; and
- (d) thiophene or an substituted thiophenes,

provided that when the polymerizable compound is the oxetane compound, the curable ink further comprises an epoxy compound or a vinyl ether compound.

2. The curable ink of claim 1,

wherein the polymerizable compound is a compound selected from the oxetane compounds

3. The curable ink of claim 2,

wherein a ratio of the oxetane compound in the ink is 65 to 95 weight% based on the total weight of the ink.

4. The curable ink of claim 1,

wherein the polymerizable compound is a compound selected from the group consisting of:

- (b) pyrrole or substituted pyrroles;
- (c) aniline or substituted anilines; and
- (d) thiophene or an substituted thiophenes.

5. The curable ink of claim 1,

wherein the ink further comprises a compound selected the from the group consisting of:

ethylenically unsaturated monomers capable of radical polymerizing; and
maleimide compounds.

6. The curable ink of claim 1, comprising further an acid generating agent by irradiation with an actinic ray.

7. The curable ink of claim 1, wherein a ratio of the white pigment is 1 to 50 weight% based on the total weight of the ink.

8. The curable ink of claim 1, wherein the white pigment is an inorganic white pigment.

9. The curable ink of claim 8, wherein the white pigment is titanium oxide.

10. The curable ink of claim 1, wherein the white pigment is an organic white pigment.

11. The curable ink of claim 1, wherein the white pigment has an average particle size of 0.1 to 1.0 μm .

12. The curable ink of claim 1, wherein the ink contains substantially no solvent.

13. The curable ink of claim 1, wherein the ink has a viscosity of 10 to 500 Pa·s at 30 °C and a viscosity of 7 to 30 mPa·s when heated to at least 40 °C.